Client Reference No. 2003-IP-009687 **PATENT** Application No. Applicant(s): 10/601.407 AUDIS C. BYRD ET AL. Infermation Disclosure Citation Docket Number Group Art Unit Filing Date in an Application June 23, 2003 HES 2003-IP-009687U1 1712 **U.S. PATENT DOCUMENTS** DOCUMENT NO. DATE NAME **CLASS SUBCLASS FILING DATE** l 4,842,070 06/27/89 09/15/88 166 288 Sharp 05/01/90 4,921,576 Hurd 166 270 04/20/89 3 01/03/95 5,377,756 166 267 10/28/93 Northrop 12/16/97 5,697,448 Johnson 166 369 11/29/95 5 5,836,393 11/17/98 Johnson 166 308 03/19/97 02/13/01 166 249 12/01/98 6,186,228 B1 Wegener, et al. 06/05/01 6,241,019 B1 Davidson, et al. 166 249 03/24/98 05/28/02 6,394,181 Schnatzmeyer, et al. 166 250.15 07/27/01 6,405,796 B1 06/18/02 Meyer, et al. 166 249 10/30/00 10 06/18/02 6,405,797 B2 Davidson, et al. 166 249 04/09/01 FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT NO. DATE **SUBCLASS** CLASS COUNTRY YES NO **NON-PATENT DOCUMENTS** DOCUMENT (Including Author, Title, Source, and Pertinent Pages) DATE M.B. Dusseault, et al. "A New Workover Tool for CHOP Wells," The Petroleum Society Paper 99-77 1999 Maurice B. Dusseault, et al. "A Dynamic Pulsing Workover Technique for Wells" Maurice Dusseault, et al. "Rehabilitating Heavy Oil Wells Using Pulsing Workovers to Place Treatment Chemicals," Petroleum Society, Canadian International Petroleum Conference, Paper 2001-57 2001 Prism Production Technologies Inc., et al. "Improving Fluid Injection in Porous Media Using Pressure Pulsing Technology (PPTTM) Maurice B. Dusseault, et al. "Removing Mechanical Skin in Heavy Oil Wells," SPE Paper 58718 2000 Janbin Wang, et al. "Fluid Enhancement Under Liquid Pressure Pulsing at Low Frequency" Prism Production Technologies "Improving Chemical Workovers Using Pressure Pulsing" Maurice Dusseault, et al. "Pressure Pulsing: The Ups and Downs of Starting a New Technology," Technology Brief, Journal of Canadian Petroleum Technology, Volume 39, No. 4 April 2000 Wavefront Environmental Technologies, Inc. "Pressure Pulse Technology (PPT) for Recovery of Non-Aqueous Phase Liquids," Oceta Environmental Technology Profiles, April 16, 2003 available at http://www.oceta.on.ca/profiles/Wavefront/PPT_tech.html C. C. Mei, "Saffman-Taylor instability in porous layer-Viscous fingering," from "Notes on 1.63 Advanced Environmental Fluid Mechanics." November 2002

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Application No.
10/601,407

Applicant(s):
AUDIS C. BYRD ET AL.

Docket Number
HES 2003-IP-009687U1

Group Art Unit
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Filing Date
June 23, 2003

CLASS

SUBCLASS

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